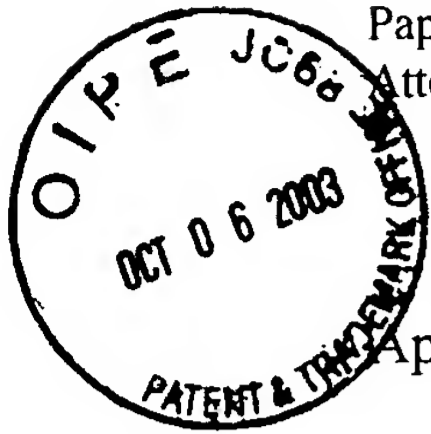


Application No. 10/618,238
Paper Dated: October 3, 2003
Attorney Docket No. 3819-030682



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No. : 10/618,238
Applicant : Craig E. Boutilier
Filed : July 11, 2003
Title : METHOD AND APPARATUS FOR SOLVING
CONCISELY EXPRESSED COMBINATORIAL
AUCTION PROBLEMS
Group Art Unit : Not Yet Assigned
Examiner : Not Yet Assigned

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Pursuant to the requirements of 37 C.F.R. §§1.56, 1.97 and 1.98, Applicant submits this Information Disclosure Statement together with completed Form(s) PTO/SB/08A and a copy of each reference listed thereon.

No fee is believed to be due for the filing of this Information Disclosure Statement as it is being submitted within three months of the filing of the application. Nevertheless, the Commissioner of Patents and Trademarks is hereby authorized to charge any

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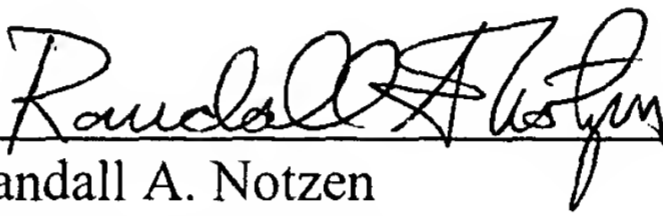
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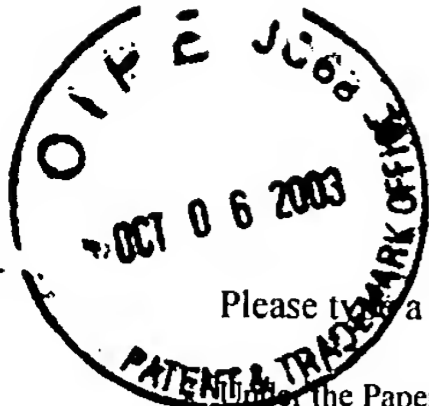
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Respectfully submitted,

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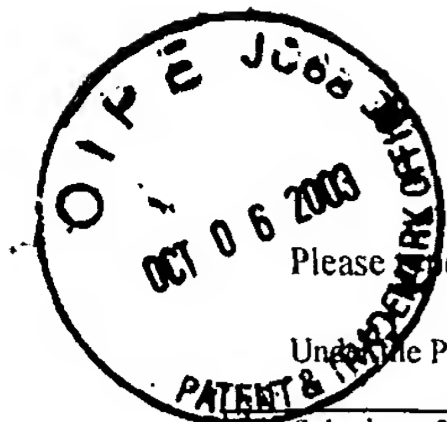
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if Known	
				Application Number	10/618,238
				Filing Date	July 11, 2003
				First Named Inventor	Craig E. Boutilier
				Group Art Unit	Not Yet Assigned
				Examiner Name	Not Yet Assigned
Sheet	1	of	2	Attorney Docket Number	3819-030682

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, cite and/or country where published.	T ²	
	1	ARNE ANDERSSON, MATTIAS TENHUNEN and FREDRIK YGGE, "Integer Programming For Combinatorial Auction Winner Determination", 8 pp., (2000).		
	2	YUZO FUJISHIMA, KEVIN LEYTON-BROWN and YOAV SHOHAM, "Taming the Computational Complexity of Combinatorial Auctions: Optimal And Approximate Approaches", 6 pp., (1999).		
	3	HOLGER H. HOOS and CRAIG BOUTILIER, "Solving Combinatorial Auctions Using Stochastic Local Search", American Association for Artificial Intelligence, 8 pp., (2000).		
	4	KEVIN LEYTON-BROWN, MARK PEARSON and YOAV SHOHAM, "Towards A Universal Test Suite For Combinatorial Auction Algorithms", Electronic Commerce (EC'00), 11 pp., (2000).		
	5	NOAM NISAN, "Bidding And Allocation In Combinatorial Auctions", Institute of Computer Science, Hebrew U., Jerusalem, 25 pp., (April 17, 2000).		
	6	S.J. RASSENTI, V.L. SMITH and R.L. BULFIN, "A Combinatorial Auction Mechanism For Airport Time Slot Allocation", The Bell Journal of Economics, 13(2), pp. 402-417, (1982).		
	7	MICHAEL H. ROTHKOPF, ALEKSANDAR PEKEČ and RONALD M. HARSTAD, "Computationally Manageable Combinatorial Auctions", Management Science, Vol. 44, No.8, pp. 1131-1147, (August 1998).		
	8	TUOMAS W. SANDHOLM, "An Algorithm For Optimal Winner Determination In Combinatorial Auctions", 6 pp., (1999).		
	9	TUOMAS W. SANDHOLM, "eMediator: A Next Generation Electronic Commerce Server", In <i>Proceedings Of The Fourth International Conference On Autonomous Agents</i> , pp. 341-348, (2000).		
	10	MICHAEL P. WELLMAN, WILLIAM E. WALSH, PETER R. WURMAN and JEFFREY K. MACKIE-MASON, "Auction Protocols For Decentralized Scheduling", Games and Economic Behavior, 35, pp. 271-303 (2001).		
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Group Art Unit	Not Yet Assigned
Examiner Name	Not Yet Assigned
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	11	TUOMAS SANDHOLM, SUBHASH SURI, ANDREW GILPIN and DAVID LEVINE, "CABOB: A Fast Optimal Algorithm For Combinatorial Auctions", 7 pp., (2001).	
	12	CRAIG BOUTILIER and HOLGER H. HOOS, "Bidding Languages For Combinatorial Auctions", 7 pp., (2001).	
	13	NOA E. KFIR-DAHAV, DOV MONDERER and MOSHE TENNENHOLTZ, "Mechanism Design For Resource Bounded Agents", Faculty of Industrial Engineering And Management Technion-Israel Institute of Technology, Haifa 32000, Israel, 15 pp., (January 19, 1999).	
	14	NOAM NISAN and AMIR RONEN, "Computationally Feasible VCG Mechanisms", 29 pp., (2000).	
	15	DALE SCHUURMANS, FINNEGAN SOUTHEY and ROBERT C. HOLTE, "The Exponentiated Subgradient Algorithm For Heuristic Boolean Programming", 6 pp., (2001).	

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